

GLWA creates a water budget. This budget is capped at a four percent increase (that means it can't increase more than four percent every year).

GLWA WATER BUDGET Operating (penses



Factors that go into determining charges unique to each community are:

(J) **Usage** patterns (How much water a city takes, particularly on the hottest days and the highest use day of the year)

Elevation from the water plant (It's harder to push water up hill)

 \rightarrow **Distance** from the water plant (A long way for water to travel)

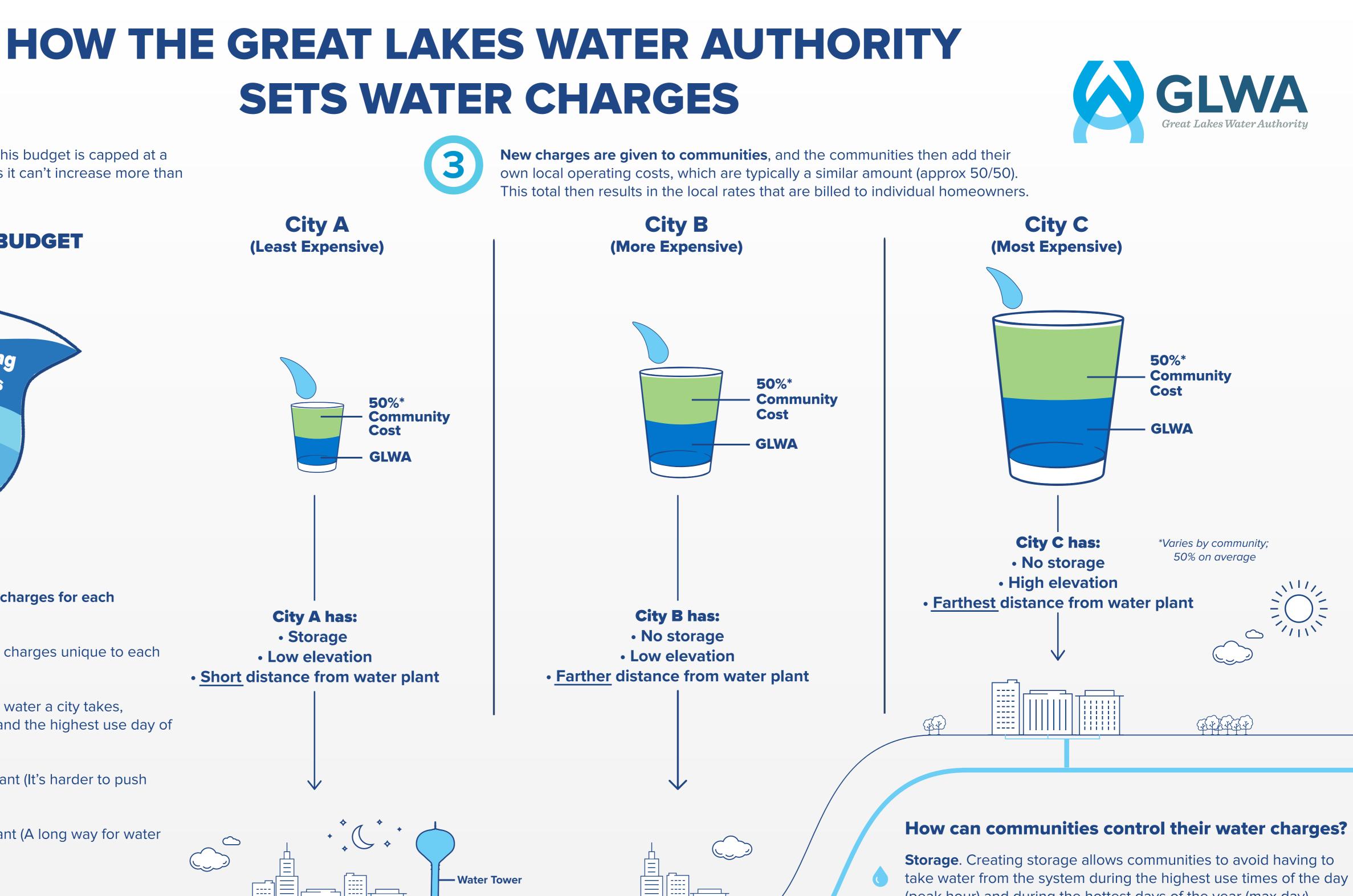
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Water Treatment Plant

The more electricity that is needed to pump water to a city, the more expensive a city's charge will be. So, the farther and higher elevated a city is, the more energy is needed to pump water to it. There are also more pumps and pipes needed. Usage patterns also affect cost; it takes more effort to serve everyone at once, so if every city is taking water from the GLWA system at the same time, it will cost more. Cities that take their water from GLWA at night and place it into storage enjoy significant savings.

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Conserve. Through proper local management, each community has an opportunity to reduce how much water it uses from the regional system.



(peak hour) and during the hottest days of the year (max day).

Manage. Cities need to responsibly manage their local system's usage and make sure that they don't exceed the peak hour and max day volumes agreed to in their contracts with GLWA.

HOW THE GREAT LAKES WATER AUTHORITY **SETS SEWER CHARGES**



GLWA SEWER BUDGET

GLWA creates a sewer budget. Each community's sewer charge is based on the sewer budget and allocated as a "Share," which is determined by the flow it sends to GLWA's Water Resource Recovery Facility (previously known as the Wastewater Treatment Plant). The type of flow and how costly each type of flow is to treat determine a community's charge.



HOW CAN COMMUNITIES CONTROL THEIR SEWER CHARGES?





Green Infrastructure*

An example of green infrastructure is a green roof, which soaks up rain water rather than letting it wash off into drains that lead to the Water Resource Recovery Facility. This reduces storm water flow.

(Green infrastructure is an approach to water management that protects, restores or mimics the natural water cycle.)



System Maintenance

Regular maintenance, repair and improvements can help communities prevent increased flow from DWII.

THREE DIFFERENT TYPES OF FLOWS

Each city's flow is measured through metering and engineering estimates. Combined, these flows make up a city's sewer "Share." Sewer "Shares" are recalculated every three years.

If a community can control its flow, it can control its cost.







Sanitary

Water that comes from households, including when people flush their toilet, wash their hands, run their dishwasher and more.

(Most Expensive) \$\$\$

COMBINED **SEWER SYSTEM**

This system is more expensive for a community because all types of flows are combined, therefore they are all sent to the Water Resource Recovery Facility for treatment.

